

Patent # 2004007

Channel 150

100

153

110

130

Receiver

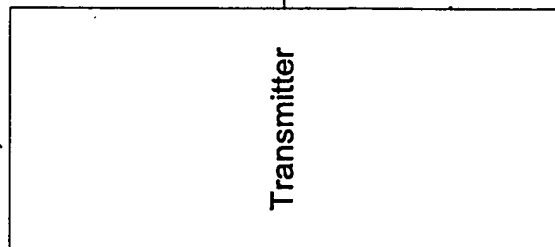
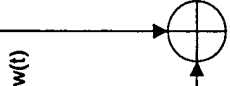
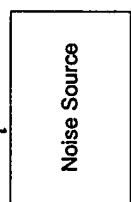
137

139

140

133

151



Transmitter

$z(t)$

$w(t)$

$r(t)$

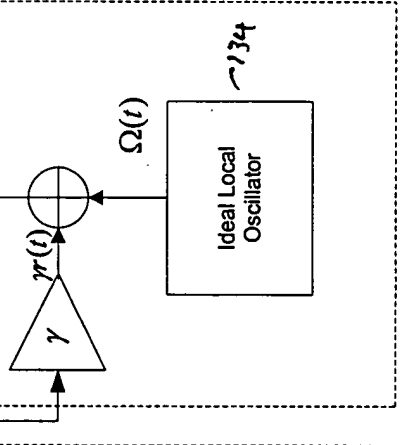
$y(t)$

$y_n$

Step Parameter Estimator & Signal Offset Corrector

$y_n$  - Signal Offset Estimate

Data Bit Estimator



Ideal Local Oscillator

$\Omega(t)$

$\gamma r(t)$

$\Omega(t) + \gamma r(t)$

Interference Source

$i(t)$

Fig. 1

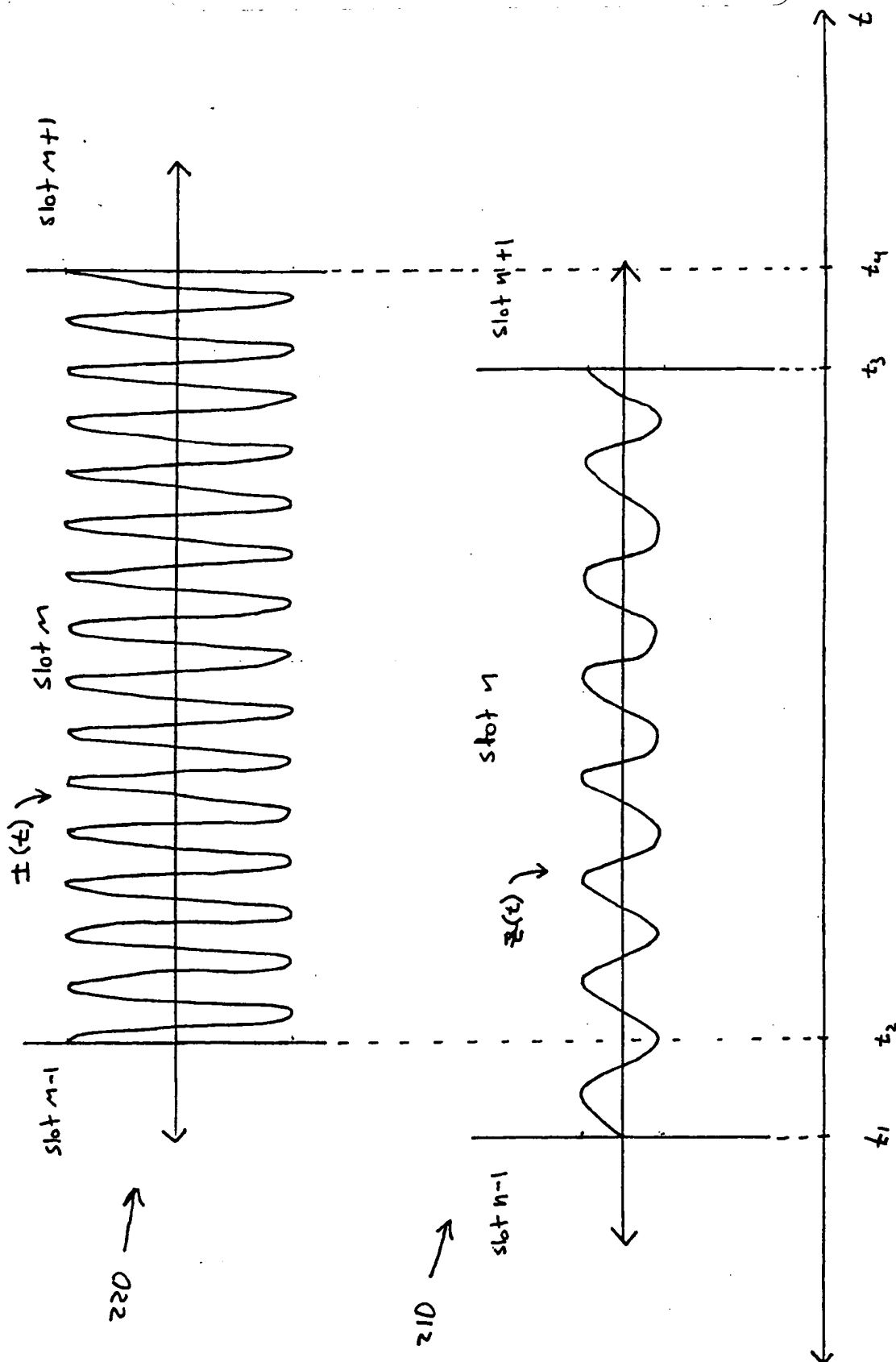


Fig. 2

FIG. 3

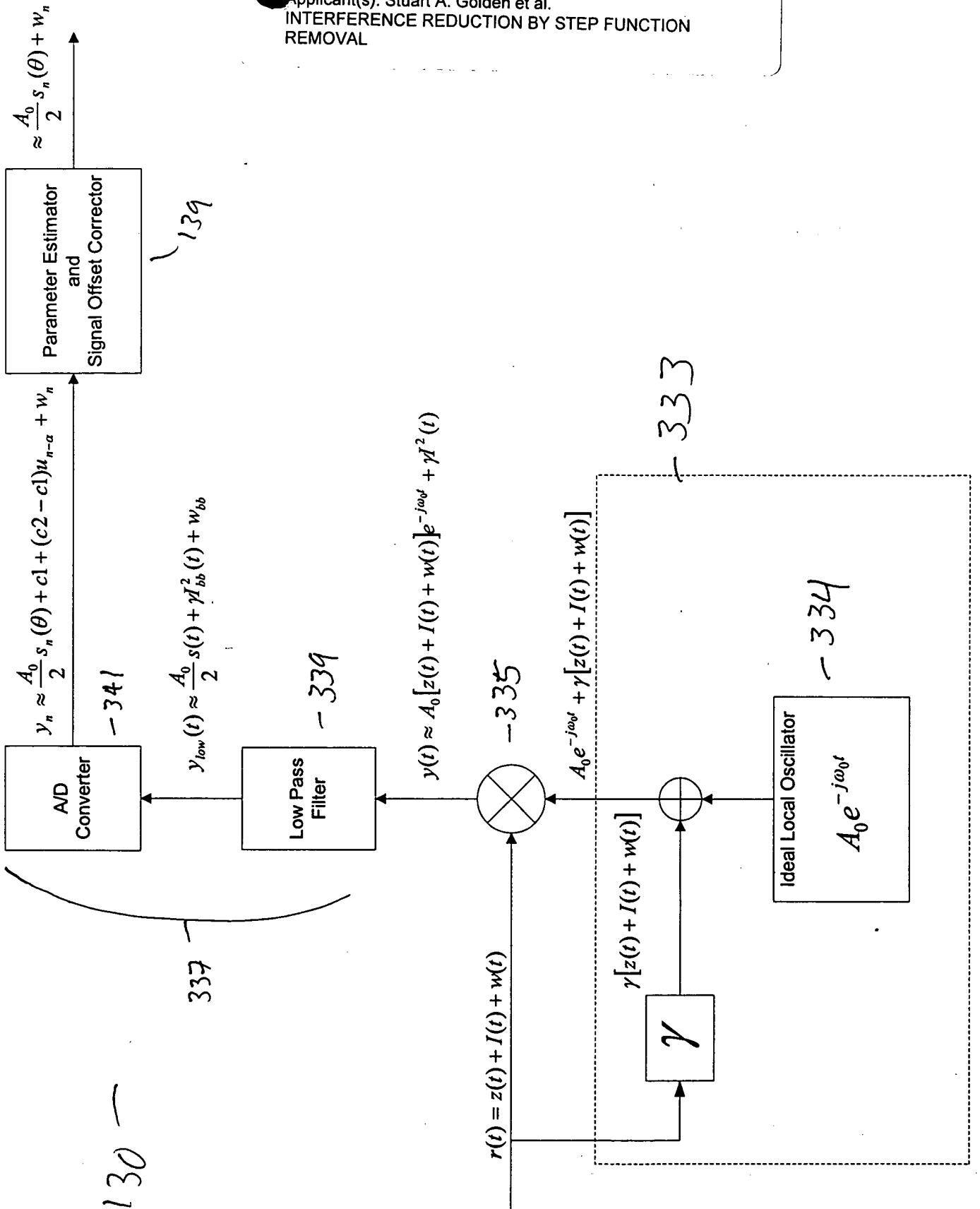


Fig. 3

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## INTERFERENCE REDUCTION BY STEP FUNCTION REMOVAL

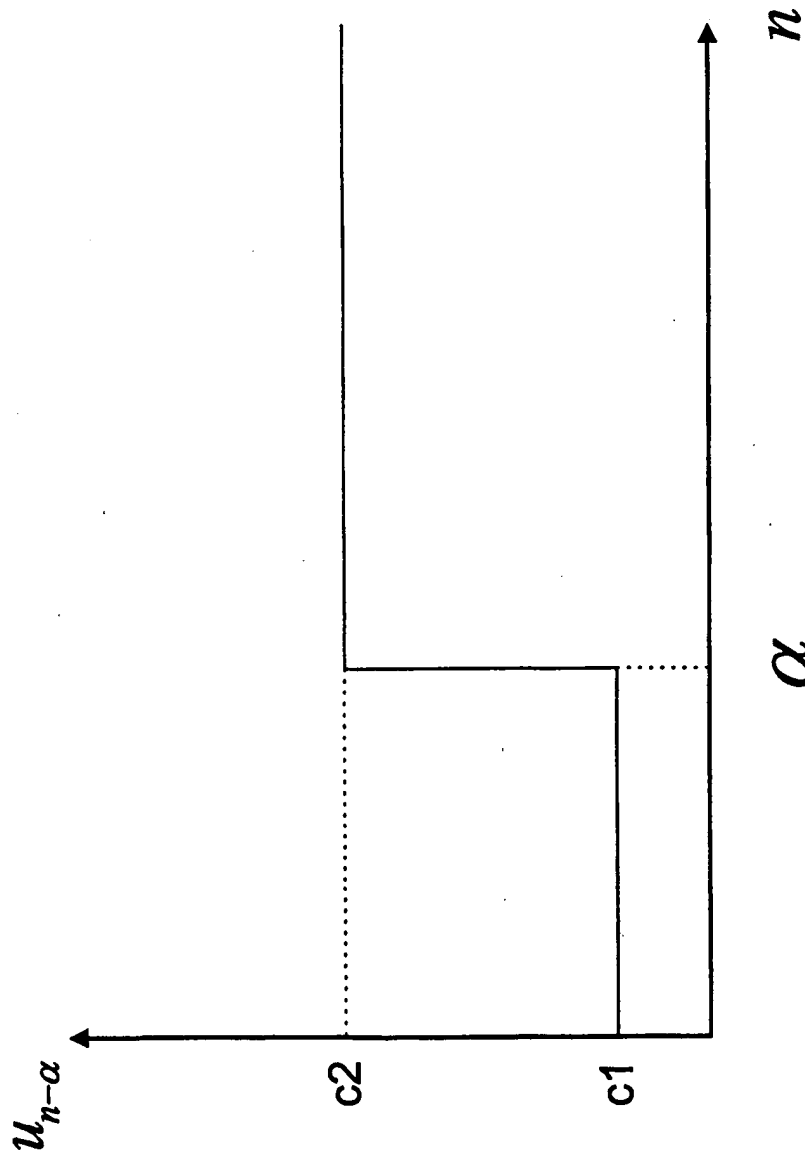


fig. 4

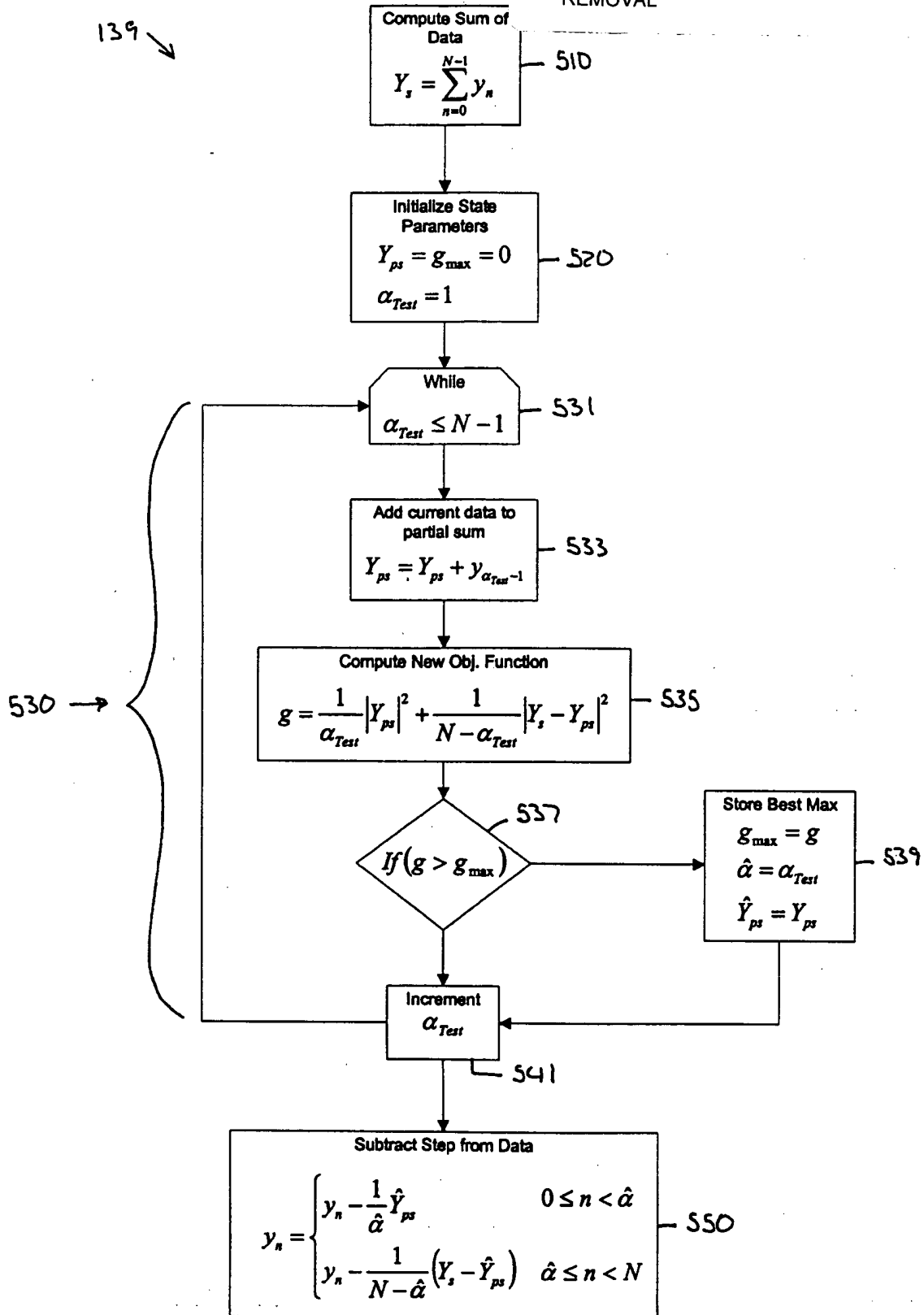


Fig. 5